

IN THE CLAIMS

Please cancel claims 7, 20 and 32.

Please amend claims 1, 4, 9, 12, 14, 17, 22, 25, 29, and 34 as follows.

Sub D' 1. (Currently Amended) A method for combining multiple MPEG-encoded video streams, comprising:

receiving the multiple MPEG-encoded video streams;
determining a value for a display position code corresponding to a display position of each slice of each of the MPEG-encoded video streams;
modifying the value of the display position code of each slice of each of the received MPEG-encoded video streams as necessary; and
interleaving each slice of each of the MPEG-encoded video streams as modified into a single composite video stream;

wherein said display position code includes a macroblock address increment variable length codeword having a first number of bits and wherein said modifying the display position code of each slice of each of the MPEG-encoded video streams to be modified results in a modified macroblock address increment variable length codeword having a modified number of bits, said modified number of bits modulo 8 is equal to said first number of bits modulo 8.

2. (Original) The method for combining multiple MPEG-encoded video streams claim 1, wherein said display position code is at least one of a macroblock address increment variable length codeword and at least a byte of a slice startcode.

3. (Previously Presented) The method for combining multiple MPEG-encoded video streams claim 1, wherein the MPEG-encoded video streams are one of MPEG-1 encoded video streams and MPEG-2 encoded video streams.

4. (Currently Amended) ~~The A~~ method for combining multiple MPEG-encoded video streams, said method comprising: of claim 1,

receiving the multiple MPEG-encoded video streams;
determining a value for a display position code corresponding to a display position
of each slice of each of the MPEG-encoded video streams;
modifying the value of the display position code of each slice of each of the received
MPEG-encoded video streams as necessary; and
interleaving each slice of each of the MPEG-encoded video streams as modified into
a single composite video stream;

(wherein said display position code includes a macroblock address increment variable
length codeword, said macroblock address increment variable length
codeword of each slice of each of the MPEG-encoded video streams contains
3 bits having a corresponding increment value of one of 2 and 3.)

5. (Original) The method for combining multiple MPEG-encoded video streams of claim 4, wherein said modifying includes modifying the value of the macroblock address increment variable length codeword of each slice of each of the MPEG-encoded video streams to be modified to an increment value of between 22 and 33 inclusive.

6. (Original) The method for combining multiple MPEG-encoded video streams of claim 5, wherein said modifying includes modifying the 3 bits of said macroblock address increment variable length codeword as necessary and adding a byte to result in an 11-bit modified macroblock address increment variable length codeword.

7. (Canceled)

8. (Original) The method for combining multiple MPEG-encoded video streams of claim 1, wherein said interleaving each slice of each of the MPEG-encoded video streams as modified into a single composite video stream is according to the display position code as modified of each slice of each MPEG-encoded video stream.

9. (Currently Amended) The A method for combining multiple MPEG-encoded video streams, said method comprising: of claim 1,

receiving the multiple MPEG-encoded video streams;
determining a value for a display position code corresponding to a display position
of each slice of each of the MPEG-encoded video streams;
modifying the value of the display position code of each slice of each of the received
MPEG-encoded video streams as necessary; and
interleaving each slice of each of the MPEG-encoded video streams as modified into
a single composite video stream;

wherein said MPEG-encoded video streams are MPEG-1 encoded video streams, and
wherein said display position code includes a macroblock address increment
(MBAI) codeword, wherein said modifying the display position code of each
slice of each of the MPEG-1 encoded video streams as necessary includes
selectively adding a number of MBAI_stuffing codes, said number of
MBAI_stuffing codes ranging from 0 to 7.

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10. (Original) The method for combining multiple MPEG-encoded video streams of claim
9, wherein said number of MBAI_stuffing codes is determined such that the macroblock
address increment codeword maintains bit-alignment of the display position code within a
byte.

11. (Original) The method for combining multiple MPEG-encoded video streams of claim
9, wherein said macroblock address increment codeword has a first number of bits and
wherein said modifying the display position code of each slice of each of the MPEG-
encoded video streams to be modified results in a modified macroblock address increment
codeword and a predetermined number of MBAI_stuffing codes, the modified macroblock
address increment codeword and the predetermined number of MBAI_stuffing codes
combine to having a modified number of bits, said modified number of bits modulo 8 is
equal to said first number of bits modulo 8.

12. (Currently Amended) A system for combining multiple MPEG-encoded video streams,
comprising:

an interactive decoder adapted to determine a display position code for a display position of each slice of each of a received MPEG-encoded video streams and to modify the display position code of each slice of each of the received MPEG-encoded video streams as necessary, said interactive decoder further adapted to interleave each slice of each of the MPEG-encoded video streams as modified into a single composite video stream;

wherein said display position code includes a macroblock address increment variable length codeword having a first number of bits and wherein said interactive decoder is further adapted to modify the display position code of each slice of each of the MPEG-encoded video streams to be modified to result in a modified macroblock address increment variable length codeword having a modified number of bits, said modified number of bits modulo 8 is equal to said first number of bits modulo 8.

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13. (Original) The system for combining multiple MPEG-encoded video streams of claim 12, further comprising a broadcast center for broadcasting the multiple MPEG-encoded video streams to said interactive decoder.

14. (Currently Amended) The A system for combining multiple MPEG-encoded video streams, said system comprising: of claim 12,

an interactive decoder adapted to determine a display position code for a display position of each slice of each of a received MPEG-encoded video streams and to modify the display position code of each slice of each of the received MPEG-encoded video streams as necessary, said interactive decoder further adapted to interleave each slice of each of the MPEG-encoded video streams as modified into a single composite video stream;

wherein said interactive decoder is further adapted to modify the value of the display position code to maintain bit-alignment of the display position code within a byte.

15. (Original) The system for combining multiple MPEG-encoded video streams of claim 12, wherein said display position code is at least one of a macroblock address increment variable length codeword and at least a byte of a slice startcode.

16. (Original) The system for combining multiple MPEG-encoded video streams of claim 12, wherein the MPEG-encoded video streams are one of MPEG-1 encoded video streams and MPEG-2 encoded video streams.

17. (Currently Amended) ~~The~~ A system for combining multiple MPEG-encoded video streams, said system comprising: of claim 12,

an interactive decoder adapted to determine a display position code for a display position of each slice of each of a received MPEG-encoded video streams and to modify the display position code of each slice of each of the received MPEG-encoded video streams as necessary, said interactive decoder further adapted to interleave each slice of each of the MPEG-encoded video streams as modified into a single composite video stream;

wherein said display position code includes a macroblock address increment variable length codeword, said macroblock address increment variable length codeword of each slice of each of the MPEG-encoded video streams contains 3 bits having a corresponding increment value of one of 2 and 3.

18. (Original) The system for combining multiple MPEG-encoded video streams of claim 17, wherein said interactive decoder is further adapted to modify the value of the macroblock address increment variable length codeword of each slice of each of the MPEG-encoded video streams to be modified to have a corresponding increment value of between 22 and 33 inclusive.

19. (Original) The system for combining multiple MPEG-encoded video streams of claim 18, wherein said interactive decoder is further adapted to modify the 3 bits of said

macroblock address increment variable length codeword as necessary and add a byte to result in an 11-bit modified macroblock address increment variable length codeword.

20. (Canceled)

21. (Original) The system for combining multiple MPEG-encoded video streams of claim 12, wherein said interactive decoder is further adapted to interleave each slice of each of the MPEG-encoded video streams as modified into a single composite video stream in accordance with the display position code, as modified, of each slice of each MPEG-encoded video stream.

22. (Currently Amended) The A system for combining multiple MPEG-encoded video streams, said system comprising: of claim 12,

an interactive decoder adapted to determine a display position code for a display position of each slice of each of a received MPEG-encoded video streams and to modify the display position code of each slice of each of the received MPEG-encoded video streams as necessary, said interactive decoder further adapted to interleave each slice of each of the MPEG-encoded video streams as modified into a single composite video stream;

wherein said MPEG-encoded video streams are MPEG-1 encoded video streams, and wherein said display position code includes a macroblock address increment (MBAI) codeword, wherein said interactive decoder is adapted to modify the display position code of each slice of each of the MPEG-1 encoded video streams as necessary by selectively adding a number of MBAI_stuffing codes, said number ranging from 0 to 7.

23. (Original) The system for combining multiple MPEG-encoded video streams of claim 22, wherein said interactive decoder is adapted to determine said number of MBAI_stuffing codes such that the macroblock address increment codeword maintains bit-alignment of the display position code within a byte.

24. (Original) The system for combining multiple MPEG-encoded video streams of claim 22, wherein said macroblock address increment codeword has a first number of bits and wherein said interactive decoder is adapted to modify the display position code of each slice of each of the MPEG-encoded video streams to be modified to result in a modified macroblock address increment codeword and a predetermined number of MBAI_stuffing codes, the modified macroblock address increment codeword and the predetermined number of MBAI_stuffing codes combine to have a modified number of bits, said modified number of bits modulo 8 is equal to said first number of bits modulo 8.

25. (Currently Amended) An interactive decoder for combining multiple MPEG-encoded video streams, comprising:

means for determining a value for a display position code corresponding to a display position of each slice of each of a received MPEG-encoded video streams;

means for modifying the value of the display position code of each slice of each of the received MPEG-encoded video streams as necessary; and

means for interleaving each slice of each of the MPEG-encoded video streams as modified into a single composite video stream;

wherein said display position code includes a macroblock address increment variable length codeword having a first number of bits and wherein said means for modifying the display position code of each slice of each of the MPEG-encoded video streams to be modified generates a modified macroblock address increment variable length codeword having a modified number of bits, said modified number of bits modulo 8 is equal to said first number of bits modulo 8.

26. (Original) The interactive decoder for combining multiple MPEG-encoded video streams of claim 25, wherein said modifying means comprises means for modifying the value of the display position code to maintain bit-alignment of the display position code within a byte.

27. (Original) The interactive decoder for combining multiple MPEG-encoded video streams of claim 25, wherein said display position code is at least one of a macroblock address increment variable length codeword and at least a byte of a slice startcode.

28. (Original) The interactive decoder for combining multiple MPEG-encoded video streams of claim 25, wherein said the MPEG-encoded video streams are one of MPEG-1 encoded video streams and MPEG-2 encoded video streams.

29. (Currently Amended) The An interactive decoder for combining multiple MPEG-encoded video streams, said decoder comprising: of claim 25,

means for determining a value for a display position code corresponding to a display

position of each slice of each of a received MPEG-encoded video streams;

means for modifying the value of the display position code of each slice of each of

the received MPEG-encoded video streams as necessary; and

means for interleaving each slice of each of the MPEG-encoded video streams as

modified into a single composite video stream;

wherein said display position code includes a macroblock address increment variable length codeword having 3 bits with a corresponding increment value selected from the group consisting of 2 and 3.

30. (Original) The interactive decoder for combining multiple MPEG-encoded video streams of claim 29, wherein said modifying means includes means for modifying the value of the macroblock address increment variable length codeword of each slice of each of the MPEG-encoded video streams to be modified to have a corresponding increment value of between 22 and 33 inclusive.

31. (Original) The interactive decoder for combining multiple MPEG-encoded video streams of claim 30, wherein said modifying means includes means for modifying the 3 bits of said macroblock address increment variable length codeword as necessary and adding a byte to result in an 11-bit modified macroblock address increment variable length codeword.

32. (Canceled)

33. (Original) The interactive decoder for combining multiple MPEG-encoded video streams of claim 25, wherein said interleaving means interleaves each slice of each of the MPEG-encoded video streams as modified into a single composite video stream according to the display position code as modified of each slice of each MPEG-encoded video stream.

34. (Currently Amended) The An interactive decoder for combining multiple MPEG-encoded video streams, said decoder comprising: of claim 25;

means for determining a value for a display position code corresponding to a display position of each slice of each of a received MPEG-encoded video streams;

means for modifying the value of the display position code of each slice of each of the received MPEG-encoded video streams as necessary; and

means for interleaving each slice of each of the MPEG-encoded video streams as modified into a single composite video stream;

wherein said MPEG-encoded video streams are MPEG-1 encoded video streams, wherein said display position code includes a macroblock address increment (MBAI) codeword, and wherein said modifying means modifies the display position code of each slice of each of the MPEG-1 encoded video streams as necessary including selectively adding a number of MBAI_stuffing codes, said number ranging from 0 to 7.

35. (Original) The interactive decoder for combining multiple MPEG-encoded video streams of claim 34, wherein said modifying means determines the number of MBAI_stuffing codes such that the macroblock address increment codeword maintains bit-alignment of the display position code within a byte.

36. (Original) The interactive decoder for combining multiple MPEG-encoded video streams of claim 34, wherein said macroblock address increment codeword has a first number of bits and wherein said modifying means modifies the display position code of each slice of each of the MPEG-encoded video streams to be modified to result in a

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modified macroblock address increment codeword and a predetermined number of
MBAI_stuffing codes, the modified macroblock address increment codeword and the
predetermined number of MBAI_stuffing codes combine to have a modified number of bits,
said modified number of bits modulo 8 is equal to said first number of bits modulo 8.
